Application/Control No. Applicant(s)/Patent under Reexamination Index of Claims 10/840,055 SLEMMER ET AL. Examiner Art Unit Anthony S. Addy 2617

| 1 | Rejected | _ | (Through numeral)<br>Cancelled |   | Non-Elected  | 4 | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | ÷ | Restricted                     | I | Interference | C | Objected |

| Claim             | Claim Date                                       |  |                 |                    | Claim Date |                  |              |    |                 |          |  | Claim  |           |          | Date         |                |               |          |          |              |                     |          |           |
|-------------------|--|--|-----------------|--------------------|------------|------------------|--------------|----|-----------------|----------|--|--------|-----------|----------|--------------|----------------|---------------|----------|----------|--------------|---------------------|----------|-----------|
| <u></u>           | الها   |  |                 |                    |            |                  | <del>-</del> |    |                 |          |  |        |           |          | <del> </del> |                | ПП            |          |          |              |                     |          |           |
| Final<br>Original | 091506   |  |                 |                    |            | Final            | Original     |    |                 |          | 1  |        |           | Finat    | Original     |                |               |          |          |              |                     |          |           |
| E S               | 6  |  |                 |                    |            | IE               | Ĕ            |    |                 |          |  |        |           | ΙŒ       | ;ੁੱ          |                |               |          |          |              |                     |          |           |
|                   |  |  |                 |                    | _          |                  |              |    |                 |          |  |        | Ш         |          |              |                |               |          |          |              |                     |          | _         |
| 1 1               | =  |  |                 | $oldsymbol{\perp}$ | _          | $\perp$          | 51           |    | Ш               |          |  |        | Ш         |          | 10           |                |               | $\perp$  |          | 丄            | Ш                   |          | $\Box$    |
| 2 2               | =  |  | $\bot$          | $\dashv$           |            | <u></u>          | 52           |    | Ш               |          |  |        |           |          | 10           |                |               |          |          |              |                     | _        | _         |
| 3 3               | =  | -  | ++              |                    | _          | ļ                | 53           |    | Ш               |          | $\sqcup$   |        | Ш         |          | 10           |                |               |          |          |              |                     | _        | _         |
| 4 4               | =  | $\dashv \dashv$                                  | $\bot$          |                    | _          | $\vdash$         | 54           | _  | Ш               |          |  |        | Ш         |          | 10           | 1              | 1_            |          | _        | ↓_           | Ш                   | $\dashv$ | _         |
| 5 5               | = -  |  |                 | $\dashv$           | _          | <b>-</b>         | 55           | _  | Ш               |          | <del>                                     </del> | -      | Ш         | <u> </u> | 10           |                |               | _        | $\bot$   | ļ            |                     | 4        | _         |
| 6 6               | =  | -   -  | +               |                    | -          | <b></b>          | 56           | _  | $\vdash$        | -        | $\vdash$   | -      | $\sqcup$  |          | 10           | <u> </u>       | 4-4           |          | +        | ╄            | Ш                   | _        | 4         |
| 8                 |  | +  | +               | -                  | -          | $\vdash$         | 57           |    | ₩               |          | $\vdash$   | +      | +         | -        | 10           |                | + !           | _        |          | -            | $\vdash$            | 4        | 4         |
| 7 9               | =  |  | ++              | +                  |            | $\vdash$         | 58<br>59     |    | H               |          | $\vdash \vdash$                                  | +      |           | $\vdash$ | 10           |                | +             | -        |          | ╀            | $\vdash$            | +        | 4         |
| 8 10              | =  |  |                 |                    |            | $\vdash$         | 60           |    | H               | _        | $\vdash$   | +      | +         |          | 10           | -              | +             | -        |          | <del> </del> | $\vdash$            | $\dashv$ | 4         |
| 9 11              | =  | <del>                                     </del> | ++              | +                  | $\dashv$   | -                | 61           |    | $\vdash$        | +-       | ├─├  | +-     | H         | $\vdash$ | 11           |                | +             | +        | +        | +            | $\vdash \vdash$     | -        | $\dashv$  |
| 10 12             | =  | <del></del>                                      | ++              | +                  | $\dashv$   | -                | 62           |    | $\vdash$        |          |  | +-     | +         | $\vdash$ | 11           |                | ╁┷┼           |          | +        | +            | $\vdash \vdash$     | $\dashv$ | $\dashv$  |
| 11 13             | =  | <del>   - </del> -                               | ++              | +                  | $\dashv$   | -                | 63           | +  | $\vdash$        |          | ╌┼   | +      | +         | -        | 11           | -              | ╢             | $\dashv$ | +        | +            | $\vdash \vdash$     | $\dashv$ | $\dashv$  |
| 12 14             | =  | +++  | ++              | $\dashv \dashv$    | $\dashv$   | $\vdash$         | 64           |    | $\vdash \vdash$ | +        | $\vdash \vdash$                                  | +      | +         | -        | 11           | 1              | +             | +        | +-       | ╁            | ┝╌┤                 | $\dashv$ | $\dashv$  |
| 13 15             | +=+-   |  |                 | +-                 | $\dashv$   | 1                | 65           |    |                 |          | $\vdash$   | +      | $\vdash$  | -        | 11           |                | ╁╌╁           |          | +        | ┼─           | $\vdash$            | $\dashv$ | $\dashv$  |
| 14 16             | ╅  |  | $\dashv \dashv$ | +                  | $\dashv$   |                  | 66           | +  | <del>   </del>  | -        | $\vdash \vdash$                                  | +-     | +         | -        | 11           | $\div$         | ++            | -+       | ╅        | +            | $\vdash$            | $\dashv$ | $\dashv$  |
| 15 17             | ╅┋┼┈┤  | <del></del>                                      | ++              | +-                 | $\dashv$   | $\vdash$         | 67           | +  |                 |          | <del>     </del>                                 | +      | +         |          | 11           |                | +             | $\dashv$ | +        | +-           | $\vdash$            | +        | -         |
| 16 18             | 1=1  | -  | 11              | 1                  |            | $\vdash$         | 68           | +  | 1               |          |  | +      | +         | -        | 11           | 1              | +             | $\dashv$ | +        | +-           |                     | -+       | -         |
| 17 19             | =  |  | 11              | +                  | _          |                  | 69           | _  | $\vdash$        | _        | +  | +      | +         | $\vdash$ | 11           | <del>5</del>   | $\dagger$     | +        | +        | +            | $\vdash$            | $\dashv$ | $\dashv$  |
| 18 20             | =  |  |                 | $\dashv$           | $\dashv$   | · · · · ·        | 70           |    | Ħ               | _        | <del>   -</del>                                  |        | +1        |          | 12           | 5              | +             | -+       | +-       | +            | H                   | $\dashv$ | $\dashv$  |
| 19 21             | =  |  | ++              | 11                 | _          |                  | 71           |    |                 | -        |  | +-     | $\forall$ |          | 12           | i              | 17            |          | _        | $\dagger$    | H                   | $\dashv$ | ┪         |
| 20 22             | =  | <u> </u>   | 1               | $\dashv \dashv$    | $\dashv$   |                  | 72           |    | Ħ               | <u> </u> |  | $\top$ | $\forall$ |          | 12           | <u> </u>       | 1-1           |          | $\dashv$ | +            | $\vdash$            | $\dashv$ | $\dashv$  |
| 23                |  |  |                 |                    |            |                  | 73           |    | $\Box$          | _        | $\Box$   | 十      | $\Box$    | -        | 12           | 3              | 1 1           | t        | 1        | †            |                     | $\neg$   | $\neg$    |
| 24                |  |  |                 |                    |            |                  | 74           |    |                 |          |  | $\top$ | $\Box$    |          | 12           | 1              | 11            |          | $\top$   | 1            |                     | 寸        | $\neg$    |
| 25                |  |  |                 | $\neg \neg$        |            |                  | 75           |    |                 |          |  |        | $\Box$    |          | 12           | 5              | $\Box$        |          |          | 1            |                     | $\neg$   | $\neg$    |
| 26                |  |  |                 |                    |            |                  | 76           |    | П               |          | $\Box$   |        | П         |          | 12           | 3              | I I I         |          | _        | $\top$       | П                   | 寸        | $\exists$ |
| 27                |  |  |                 |                    |            |                  | 77           |    |                 |          |  |        |           |          | 12           | 7              | П             |          |          |              |                     |          |           |
| 28                |  |  |                 |                    |            |                  | 78           |    |                 |          |  |        |           |          | 12           | 3              |               |          |          |              |                     |          |           |
| 29                | $\bot$   |  | $\perp$         | $\perp$            |            |                  | 79           |    |                 |          |  |        |           |          | 12           |                |               |          |          |              |                     |          |           |
| 30                |  |  | $\bot\bot$      | ot                 | _          |                  | 80           |    | Ш               |          |  |        | Ш         |          | 13           |                |               |          |          |              |                     |          |           |
| 31                |  |  |                 |                    | _          |                  | 81           |    |                 |          |  |        | Ш         |          | 13           | 1              |               | $\perp$  |          |              |                     |          | $\Box$    |
| 32                |  |  | $\perp \perp$   | $\dashv$           | _          | $\sqcup$         | 82           |    | $\sqcup$        | _ _      | $\vdash$   | _      | $\coprod$ |          | 13           | 2              | $\bot \bot$   | $\perp$  | $\perp$  | _            | Ш                   | $\perp$  | $\Box$    |
| 33                | +  | $\dashv$   | ++              | -                  | _          |                  | 83           | ٠. | $\sqcup$        | $\perp$  | ⊢-   | _      | $\square$ | <u> </u> | 13           |                | $\perp \perp$ | _        | 4        | <del> </del> | Ш                   | _        | $\dashv$  |
| 34                |  |  | ++              | $\dashv$           | -          |                  | 84           | +  |                 | - -      | $\vdash \vdash$                                  | 4      | $\sqcup$  | <u> </u> | 13           | 1              | 1             |          | $\bot$   | $\perp$      | $\sqcup$            | _        | $\dashv$  |
| 35                | <del>                                     </del> |  | ++              | +                  | $\dashv$   |                  | 85           | +  | $\vdash$        |          | $\vdash \vdash$                                  | -      | $\sqcup$  | <u> </u> | 13           |                | 1             | +        | +        | +            | ${oxed}$            | -        | _         |
| 36                | ╂-┼-┤  | ++   | ++              |                    |            |                  | 86           | +  | $\vdash$        | -        | <del>                                     </del> | -      | $\sqcup$  | <u> </u> | 13           | 2              | 4-4           | $\dashv$ | +        | +            | $\vdash$            | _        | _         |
| 37                |  |  |                 |                    | -          | $\vdash$         | 87           |    | $\vdash$        | -        | $\vdash \vdash$                                  | -      | +         | <u> </u> | 13           | +              | +             | -        | 4        | ╄            | $\vdash \mid$       |          | 4         |
| 38<br>39          | <del>     </del>                                 |  | +               | $\dashv \dashv$    | $\dashv$   | $\vdash$         | 88           |    | $\vdash$        |          | ┝╾┡  |        | +         | -        | 13           |                | +             | -        | +-       | ┼            |                     | -        |           |
| 40                | <del>                                     </del> | <del></del>                                      | ++              |                    | $\dashv$   |                  | 89<br>90     | +  |                 |          | ┝╌╂╴   | +-     | H         | -        | 13           | <u> </u>       | 1-1           | _        | +-       | +-           | $\vdash \downarrow$ | $\dashv$ | $\dashv$  |
|                   | +  | -+-  |                 |                    | $\dashv$   | -                |              |    | $\vdash$        |          | $\vdash \vdash$                                  |        | +         | $\vdash$ | 14           |                | -             | +        | +        | +-           |                     | -        | $\dashv$  |
| 41                |  | -+-  |                 | $\dashv$           | $\dashv$   | $\vdash$         | 91<br>92     |    | $\vdash$        |          | ┝╾┼  | +      | +         | -        | 14           | ;              |               | -+       | +-       | ┼            |                     | -+       | $\dashv$  |
| 43                | <del>  </del>                                    |  | +               | $\dashv$           | $\dashv$   | -                | 93           |    | $\vdash$        | +        | <del>   </del>                                   | +      | +         |          | 14           |                | +             |          | +-       | ┼            | $\left  - \right $  |          | $\dashv$  |
| 43                |  | <del>-  -  -</del>                               | ++              | $\dashv$           | $\dashv$   | <del>  </del>    | 94           | +  | $\vdash \vdash$ | -        | <del>   </del>                                   | +-     | +         | -        | 14           |                | ╁             |          | +        | +-           | $\vdash \vdash$     | $\dashv$ | $\dashv$  |
| 45                | ╅╼┾╌┤  | ++   | ++              | +                  | $\dashv$   | $\vdash$         | 95           | +  | $\vdash \vdash$ |          | -  | +      | +         | $\vdash$ | 14           |                | +             | $\dashv$ | +        | +-           | $\vdash \vdash$     | -+       | $\dashv$  |
| 46                |  | <del></del>                                      | ++              | +                  | $\dashv$   | -                | 96           | +- | $\vdash$        | $\dashv$ |  | +      | +         | -        | 14           | <del>'</del> + | ╂╾┥           | +        | +        | +            | $\vdash$            | $\dashv$ | $\dashv$  |
| 47                | <del>                                     </del> | ++   | ++              | $\dashv \dashv$    | $\dashv$   |                  | 97           | +  | $\vdash$        |          | <del>                                     </del> | +      | +         | -        | 14           |                | +             | $\dashv$ | +-       | +-           | $\vdash$            | $\dashv$ | _         |
| 48                |  | <del></del>                                      | ++              | $\dashv \dashv$    | $\dashv$   | <del>  -  </del> | 98           | +  | 1               | +        | $\vdash \vdash$                                  | +      | H         | $\vdash$ | 14           |                | +-+           | -        | +        | +            | H                   | $\dashv$ | $\dashv$  |
| 49                | 1-1-1  |  | +               | $\dashv \dashv$    | $\dashv$   |                  | 99           | _  | $\vdash$        | +-       | $\vdash$   | +      | +         | <u> </u> | 14           |                | 1 1           | $\dashv$ | +        | +            | $\vdash$            | $\dashv$ | $\dashv$  |
| 50                | 1 1 1  |  | +               | 11                 | 1          |                  | 100          | +  | 1               | $\dashv$ | $\vdash$   | _      | H         |          | 15           | 5              | 1             | $\neg +$ | +-       | +            |                     | $\dashv$ |           |
|                   |  |  |                 |                    |            | -                |              |    |                 |          |  |        | لسسف      |          |              |                |               |          |          |              |                     |          |           |